

<b>INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT</b>		Atty. Docket No.: 220.00010150		Serial No.: 09/997,931			
				Conf. No.: 5355			
		Applicant(s): Eric T. Kool					
		Filing Date: 11/30/01		Group: 1635			
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate	
M	4,795,700	01/03/89	Dervan et al.				
	4,837,312	06/06/89	Dervan et al.				
	4,987,071	01/22/91	Cech et al.				
	5,093,246	03/03/92	Cech et al.				
	5,246,921	09/21/93	Reddy et al.				
	5,258,506	11/02/93	Urdea et al.				
	5,354,668	10/11/94	Auerbach				
	5,354,855	10/11/94	Cech et al.				
	5,426,180	06/20/95	Kool				
	5,470,724	11/28/95	Ahern				
	5,498,531	03/12/96	Jarrell				
	5,500,357	03/19/96	Taira et al.				
	5,648,245	07/15/97	Fire et al.				
	5,714,320	02/03/98	Kool				
	6,077,668	06/20/00	Kool				
	6,096,880	08/01/00	Kool				
M	6,368,802	04/09/02	Kool				
<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
M	JP 4-262799	09/18/92	Japan (and English Abstract)				X
	JP 4-304900	10/28/92	Japan			X	
	JP 5-146299	06/15/93	Japan			X	
	WO 92/01813	02/06/92	PCT				
	WO 92/17484	10/15/92	PCT				
	WO 94/03630	02/17/94	PCT				
	WO 96/00795	01/11/96	PCT				
	WO 96/33207	10/24/96	PCT				
M	WO 97/19193	5/29/97	PCT				

EXAMINER

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 220.00010150	Serial No.: 09/997,931
	Conf. No.: 5355	
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635

737	WO 97/20948	6/12/97	PCT				
	WO 97/43298	11/20/97	PCT				
	WO 98/04746	02/05/98	PCT				
	WO 98/38300	09/03/98	PCT				
	WO 99/09216	02/25/99	PCT				

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

9		"Affinity Chromatography: Practical and Theoretical Aspects," Mohr, Ed., Dekker Publishing: New York, Title page, Copyright page, and Contents pages (pp. v-viii) (1985).
3		Agrawal, "Antisense Oligonucleotides: Towards Clinical Trials," <i>TIBTECH</i> , 14:376-387 (1996).
4		Aguilar et al., "Hairpin, Dumbbell, and Single-Stranded Phosphodiester Oligonucleotides Exhibit Identical Uptake in T. Lymphocyte Cell Lines," <i>Antisense &amp; Nucleic Acid Drug Development</i> , 6:157-163 (1996).
5		Aiyar et al., "A Mismatch Bubble in Double-stranded DNA Suffices to Direct Precise Transcription Initiation by <i>Escherichia coli</i> RNA Polymerase," <i>J. Biol. Chem.</i> , 269:13179-13184 (1994).
6		Albrecht et al., "Cationic lipid mediated transfer of c-abl and bcr antisense oligonucleotides to immature normal myeloid cells: Uptake, biological effects and modulation of gene expression," <i>Ann. Hematol.</i> , 72:73-79 (1996).
7		Ali et al., "Enzymatic synthesis of DNA probes complementary to a human variable number tandem repeat locus," <i>Anal. Biochem.</i> , 179(2):280-283 (June 1, 1989).
8		Ashley et al., "Chemical Synthesis of Oligodeoxynucleotide Dumbbells," <i>Biochemistry</i> , 30:2927-2933 (1991).
9		Beaucage et al., "Deoxynucleoside Phosphoramidites - A New Class of Key Intermediates for Deoxypolynucleotide Synthesis," <i>Tetrahedron Lett.</i> , 22(20):1859-1862 (1981).
10		Beaucage et al., "The Functionalization of Oligonucleotides Via Phosphoramidite Derivatives," <i>Tetrahedron</i> , 49(10):1925-1963 (1993).
11		Blanco et al., "Highly Efficient DNA Synthesis by the Phage $\phi$ 29 DNA Polymerase," <i>J. Biol. Chem.</i> , 264(15):8935-8940 (1989).

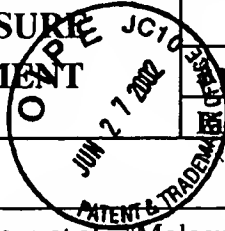
EXAMINER

Date Considered

7/26/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION</b>  <b>DISCLOSURE</b>  <b>STATEMENT</b>	Atty. Docket No.: 220.00010150	Serial No.: 09/997,931
		Conf. No.: 5355
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635



M		Bledsoe et al., "Molecular homology and DNA hybridization," <i>J. Mol. Evol.</i> , 30(5):425-433 (May 1990).
		Bock et al., "Selection of single-stranded DNA molecules that bind and inhibit human thrombin," <i>Nature</i> , 355:564-566 (1992).
		Branch, "A Good Antisense is Hard to Find," <i>TIBS</i> , 23:45-50 (1998).
		Capaccioli et al., "Cationic Lipids Improve Antisense Oligonucleotide Uptake and Prevent Degradation in Cultured Cells and in Human Serum," <i>Biochemical and Biophysical Research Communications</i> , 197(2):818-825 (1993).
		Chin et al., "Catalytic Hydrolysis of Amides at Neutral pH," <i>J. Chem. Soc., Chem. Commun.</i> , 1326-1328 (1990).
		Chowrira et al., "In Vitro and In Vivo Comparison of Hammerhead, Hairpin, and Hepatitis Delta Virus Self-Processing Ribozyme Cassettes," <i>Journal of Biological Chemistry</i> , 269:25856-25864 (1994).
		Compton, "Nucleic acid sequence based amplification," <i>Nature</i> , 350:91-92 (1991).
		Cwirla et al., "Peptides on phage: A vast library of peptides for identifying ligands," <i>PNAS USA</i> , 87:6378-6382 (1990).
		Daube et al., "Functional Transcription Elongation Complexes from Synthetic RNA-DNA Bubble Duplexes," <i>Science</i> , 258:1320-1324 (1992).
		Daubendiek et al., "Generation of Catalytic RNAs by Rolling Transcription of Synthetic DNA Nanocircles," <i>Nature Biotech.</i> , 15: 273-277 (March 1997).
		Daubendiek, "Rolling-Circle RNA Synthesis: Circular Oligonucleotides as Efficient Substrates for T7 RNA Polymerase," <i>No. 112625x of Chem. Abstr.</i> , 123: 1175 (1995).
		Daubendiek et al., "Rolling-Circle RNA Synthesis: Circular Oligonucleotides as Efficient Substrates for T7 RNA Polymerase," <i>J. Am. Chem. Soc.</i> , 117:7818-7819 (1995).
		Daubendiek et al., "Rolling Circle Transcription: The Use of Small Circular DNAs as Templates for RNA Synthesis," Ph.D. Dissertation, University of Rochester, Rochester, New York, <i>UMI Dissertation Services</i> , A Bell & Howell Company, Ann Arbor, Michigan, Title Page, Table of Contents, pp. 1-184 (1998).
M		Diegelman et al., "Generation of Circular RNAs and Trans-Cleaving Catalytic RNAs by Rolling Transcription of Circular DNA Oligonucleotides Encoding Hairpin Ribozymes," <i>Nucleic Acids Research</i> , 26:3235-3241 (1998).

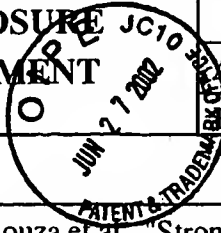
EXAMINER

Date Considered

7/26/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

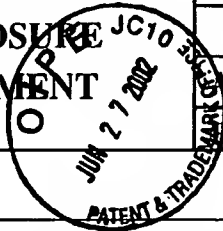
<b>INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT</b>	Atty. Docket No.: 220.00010150	Serial No.: 09/997,931
		Conf. No.: 5355
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635



M		D'Souza et al., "Strong Binding of Single-stranded DNA by Stem-Loop Oligonucleotides," <i>J. Biomolecular Structure and Dynamics</i> , 10(1):141-152 (1992).
		Dzianott et al., "Derivation of an infectious viral RNA by autolytic cleavage of <i>in vitro</i> transcribed viral cDNAs," <i>PNAS USA</i> , 86:4823-4827 (1989).
		Egholm et al., "PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen-bonding rules," <i>Nature</i> , 365(6446):566-568 (Oct. 7, 1993).
		Eisenberg et al., <i>The Single-Stranded DNA Phages</i> , Eds., Denhardt, Cold Spring Harbor Press, Cold Spring Harbor, Title page, Copyright page, Contents pages, pp. 298-299 (1978).
		Eisenberg et al., "Enzymatic replication of viral and complementary strands of duplex DNA of phage $\phi$ X174 proceeds by separate mechanisms," <i>PNAS USA</i> , 73(9):3151-3155 (1976).
		Ellington et al., "In vitro selection of RNA molecules that bind specific ligands," <i>Nature</i> , 346:818-822 (1990).
		Ellington et al., "Selection in vitro of single-stranded DNA molecules that fold into specific ligand-binding structures," <i>Nature</i> , 355:850-852 (1992).
		Elroy-Stein et al., "Cytoplasmic expression system based on constitutive synthesis of bacteriophage T7 RNA polymerase in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> , 87:6743-6747 (Sept. 1990).
		Famulok et al., "Stereospecific Recognition of Tryptophan Agarose by in vitro Selected RNA," <i>J. Am. Chem. Soc.</i> , 114:3990-3991 (1992).
		Fire et al., "Rolling replication of short DNA circles," <i>PNAS USA</i> , 92:4641-4645 (1995).
		Flory et al., "Nuclease-Resistant Ribozymes Decrease Stromelysin mRNA Levels in Rabbit Synovium Following Exogenous Delivery to the Knee Joint," <i>Proc. Natl. Acad. Sci. USA</i> , 93:754-758 (1996).
		Forster et al., "Structural and Ionic Requirements for Self-cleavage of Virusoid RNAs and <i>trans</i> Self-cleavage of Viroid RNA," <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , Vol. OLI, 249-259 (1987).
M		Grosshans et al., "A hammerhead ribozyme allows synthesis of a new form of the <i>Tetrahymena</i> ribozyme homogenous in length with a 3' end blocked for transesterification," <i>Nucleic Acids Research</i> , 19(14):3875-3880 (1991).
		Gura, "Antisense Has Growing Pains," <i>Science</i> , 270:575-577 (1995).

<b>EXAMINER</b> 	<b>Date Considered</b> 7/26/04
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT</b>	Atty. Docket No.: 220.00010150	Serial No.: 09/997,931
		Conf. No.: 5355
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635



M		Guy-Caffey et al., "Novel Polyaminolipids Enhance the Cellular Uptake of Oligonucleotides," <i>J. Biol. Chem.</i> , 270(52):31391-31396 (1995).
		Harshey et al., "A mechanism of DNA transposition," <i>PNAS USA</i> , 78:1090-1094 (1981).
		Haseloff et al., "Simple RNA Enzymes with New and Highly Specific Endoribonuclease Activities," <i>Nature</i> , 334:585-591 (1988).
		Hoffman et al., "Enzymatic Synthesis of Milligram Quantities of Ribozymes in Small Volumes," <i>BioTechniques</i> , 17:372-375 (1994).
		Horn et al., "The Synthesis of Branched Oligonucleotides as Signal Amplification Multimers for Use in Nucleic Acid Assays," <i>Nucleosides &amp; Nucleotides</i> , 8(5&6):875-877 (1989).
		Hutchins et al., "Self-cleavage of plus and minus RNA transcripts of avocado sunblotch viroid," <i>Nucleic Acids Research</i> , 14(9):3627-3641 (1986).
		James, "Towards gene-inhibition therapy: a review of progress and prospects in the field of antiviral antisense nucleic acids and ribozymes," <i>Antiviral Chemistry &amp; Chemotherapy</i> , 2(4):191-214 (1991).
		Kanaya et al., "Template-Directed Polymerization of Oligoadenylates Using Cyanogen Bromide," <i>Biochemistry</i> , 25:7423-7430 (1986).
		Kashani-Sabat et al., "Reversal of the Malignant Phenotype by an Anti-ras Ribozyme," <i>Antisense Research and Development</i> , 2:3-15 (1992).
		Kawai et al., "A simple method of detecting amplified DNA with immobilized probes on microtiter wells," <i>Anal. Biochem.</i> , 209(1):63-69 (Feb. 15, 1993).
		Kazakov et al., "A Trinucleotide Can Promote Metal Ion-Dependent Specific Cleavage of RNA," <i>Pro. Natl. Acad. Sci. USA</i> , 89:7939-7943 (1992).
		Kim et al., "Dimethyl Phosphate Hydrolysis at Neutral pH," <i>J. Am. Chem. Soc.</i> , 114:9792-9795 (1992).
		Kitajima et al., "Ablation of Transplanted HTLV-I Tax-Transformed Tumors in Mice by Antisense Inhibition of NF- $\kappa$ B," <i>Science</i> , 258:1792-1795 (1992).
		Koizumi et al., "Ribozymes Designed to Inhibit Transformation of NIH3T3 Cells by the Activated c-Ha-ras Gene," <i>Gene</i> , 117:179-184 (1992).
		Koo et al., "Determination of the Extent of DNA Bending by an Adenine-Thymine Tract," <i>Biochemistry</i> , 29:4227-4234 (1990).
M		Kool et al., "Abstract of National Institute of General Medical Sciences Grant No. 5R01-GM46625-06," titled "Binding of HIV 1 Sequences by Cyclic Oligonucleotides," (funded in Fiscal Year 1997).

EXAMINER

Date Considered

7/26/07

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 220.00010150	Serial No.: 09/997,931
	Conf. No.: 5355	
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635

<i>M</i>	Kool, "Circular Oligonucleotides: New Concepts in Oligonucleotide Design," <i>Annu. Rev. Biophys. Biomol. Struct.</i> , 25:1-28 (1996).
<i> </i>	Kool, "Circular Oligonucleotides as Potential Modulators of Gene Expression," Report No. ARO 315.8-LS-YIP, U.S. Army Research Office, pp. 124-149 (May 1996).
<i> </i>	Kool, "Molecular Recognition by Circular Oligonucleotides: Increasing the Selectivity of DNA Binding," <i>J. Am. Chem. Soc.</i> , 113:6265-6266 (1991).
<i> </i>	Kool, "New Multilabel Fluorescent Groups for Increased Sensitivity of DNA Detection," Report No. ARO 31507.10-LS-YIP, U.S. Army Research Office, pp.1-7 (October 1996).
<i> </i>	Kool, "Topologically Modified Biopolymers - Properties of Synthetic Circular DNAs and RNAs," <i>Trends in Polymer Science</i> , 3:396-402 (1995).
<i> </i>	Kool, "Topologically Modified Biopolymers: Properties of Synthetic Circular DNAs and RNAs," Report No. ARO 31507.8-LS-YIP, U.S. Army Research Office, pp. 336-402 (May 1996).
<i> </i>	Kornberg, DNA Replication, W.H. Freeman & Co., San Francisco, 569 (1980).
<i> </i>	Krupp, "Unusual Promoter-Independent Transcription Reactions with Bacteriophage RNA Polymerases," <i>Nucleic Acids Research</i> , 17(8):3023-3036 (1989).
<i> </i>	Ledwith et al., "Preparation of synthetic tandem-repetitive probes for DNA fingerprinting," <i>Biotechniques</i> , 9(2):149-152 (Aug. 9, 1990).
<i> </i>	Lee et al., "A Molecular Titration Assay to Measure Transcript Prevalence Levels," in <i>Methods in Enzymology</i> , Eds., Berger et al., Academic Press, Inc., Orlando, FL, Vol. 152, Title page, pp. 633-649 (1987).
<i> </i>	Liu et al., "Rolling Circle DNA Synthesis: Small Circular Oligonucleotides as Efficient Templates for DNA Polymers," <i>J. Am. Chem. Soc.</i> , 118:1587-1594 (1996).
<i> </i>	Long et al., "Self-cleaving catalytic RNA," <i>FASEB</i> , 7:25-30 (1993).
<i> </i>	May et al., "DNA fingerprinting by specific priming of concatenated oligonucleotides," <i>Nucleic Acids Res.</i> , 19(16), 4557 (Aug. 25, 1991).
<i> </i>	Milligan et al., "Oligoribonucleotide synthesis of T7 RNA polymerase and synthetic DNA templates," <i>Nucleic Acids Res.</i> , 15(21): 8783-8798 (1987).
<i>M</i>	Miyamoto et al., "Total Synthesis of (+)-Validoxylamine G," <i>J. Chem. Soc., Chem. Commun.</i> , 999-1000 (1990).

EXAMINER

Date Considered

7/26/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT</b>	Attorney Docket No.: 220.00010150	Serial No.: 09/997,931
	Conf. No.: 5355	
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635

<i>M</i>	Møllegaard et al., "Peptide nucleic acid-DNA strand displacement loops as artificial transcription promoters," <i>PNAS USA</i> , 91:3892-3895 (1994).
<i> </i>	Myers et al., "Reverse Transcription and DNA Amplification by a <i>Thermus thermophilus</i> DNA Polymerase," <i>Biochemistry</i> , 30(31):7661-7666 (Aug. 1991).
<i> </i>	"New England BioLabs Catalog," oX174, (1994).
<i> </i>	Nielsen et al., "Peptide Nucleic Acid (PNA). A DNA Mimic with a Peptide Backbone," <i>Bioconjugate Chem.</i> , 1994, 5(1):3-7.
<i> </i>	Nilsson et al., "Padlock probes: circularizing oligonucleotides for localized DNA detection," <i>Science</i> , 265(5181):2085-2088 (1994).
<i> </i>	Noonberg et al., "Characteristics of Oligonucleotide Uptake in Human Keratinocyte Cultures," <i>Journal of Investigative Dermatology</i> , 101:727-731 (1993).
<i> </i>	Oligodeoxynucleotides: Antisense Inhibitors of Gene Expression, Cohen, Ed.; CRC Press: Boca Raton, Fla, 1989; Title page, Copyright page, and Contents pages, pp. v-viii (1989).
<i> </i>	Ohkawa et al., "Importance of independence in ribozyme reactions: Kinetic behavior of trimmed and of simply connected multiple ribozymes with potential activity against human immunodeficiency virus," <i>PNAS USA</i> , 90:11302-11306 (1993).
<i> </i>	Olivera et al., "Enzymic Joining of Polynucleotides: IV. Formation of a Circular Deoxyandeylate-Deoxythymidylate Copolymer," <i>J. Mol. Biol.</i> , 36:275-285 (1968).
<i> </i>	Pei et al., "A Combinatorial Approach Toward DNA Recognition," <i>Science</i> , 253:1408-1411 (1991).
<i> </i>	Piccirilli et al., "Enzymatic Incorporation of a New Base Pair into DNA and RNA Extends the Genetic Alphabet," <i>Nature</i> , 343:33-37 (1990).
<i> </i>	Podhadjska et al., "Conversion of the <i>FokI</i> Endonuclease to a Universal Restriction Enzyme: Cleavage of Phage M13mp7 DNA at Predetermined Sites," <i>Gene</i> , 40:175-182 (1985).
<i> </i>	Prakash et al., "Molecular Recognition by Circular Oligonucleotides. Strong Binding of Single-stranded DNA and RNA," <i>J. Chem. Soc., Chem. Commun.</i> , 17:1161-1163 (1991).
<i>M</i>	Prakash et al., "Structural Effects in the Recognition of DNA by Circular Oligonucleotides," <i>J. Am. Chem. Soc.</i> , 114:3523-3527 (1992).

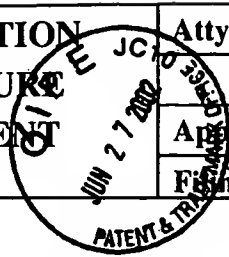
EXAMINER

Date Considered

7/26/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 220.00010150	Serial No.: 09/997,931
	Conf. No.: 5355	
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635



M		Ratajczak et al., "In vivo treatment of human leukemia in a <i>scid</i> mouse model with c-myb antisense oligodeoxynucleotides," <i>PNAS</i> , 89:11823-11827 (1992).
		Roberts et al., "Specificity and stringency in DNA triplex formation," <i>Proc. Natl. Acad. Sci. USA</i> , 88(21):9397-9401 (Nov. 1, 1991).
		Robertson et al., "Selection <i>in vitro</i> of an RNA enzyme that specifically cleaves single-stranded DNA," <i>Nature</i> , 344:467-468 (1990).
		Robertson et al., "The Viroid Replication Process," Semancik, Ed.; CRC Press, Inc., Boca Raton, Fla; Viroids and Viroid-Like Pathogens, Chapt. 2, pp. 50-68 (1987).
		Rubin et al., "Convergent DNA synthesis: a non-enzymatic dimerization approach to circular oligodeoxynucleotides," <i>Nucleic Acids Research</i> , 23(17):3547-3553 (1995).
		Ruffner et al., "Studies on the hammerhead RNA self-cleaving domain," <i>Gene</i> , 82, 31-41 (1989).
		Rumney et al., "DNA Recognition by Hybrid Oligoether-Oligodeoxynucleotide Macrocyces," <i>Agnew. Chem. Intl. Ed. Engl.</i> , 31(12):1617-1619 (1992).
		Saiki et al., "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," <i>Science</i> , 239:487-491 (1988).
		Sambrook et al., <i>Molecular Cloning: A Laboratory Guide</i> , 2 <sup>nd</sup> ed.; Cold Spring Harbor, NY; Title page, Copyright page, contents pages (pp. V-xxxii), and Chapter 13, pp. 13.2-13.104 (1989).
		Sarver et al., "Ribozymes as Potential Anti-HIV-1 Therapeutic Agents," <i>Science</i> , 247:1222-1225 (1990).
		Scaringe et al., "Chemical Synthesis of Biologically Active Oligoribonucleotides Using $\beta$ -cyanoethyl Protected Ribonucleoside Phosphoramidites," <i>Nucleic Acids Res.</i> , 18(18):5433-5441 (1990).
		Schubbert et al., "Ingested foreign (phage M13) DNA survives transiently in the gastrointestinal tract and enters the bloodstream of mice," <i>Mol. Gen. Genet.</i> , 242:495-504 (1994).
		Schweitzer et al., "Immunoassays with rolling circle DNA amplifications: A versatile platform for ultrasensitive antigen detection," <i>Proc. Natl. Acad. Sci. USA</i> , 97(18):10113-10119 (August 29, 2000).
AM		Seyhan et al., "Intracellular RNA cleavage by the hairpin ribozyme," <i>Nucleic Acids Research</i> , 26(15):3494-3504 (1998).

EXAMINER

Date Considered

7/26/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT</b>	App. Docket No.: 220.00010150	Serial No.: 09/997,931
		Conf. No.: 5355
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635

M		Short Protocols in Molecular Biology, Chapter 14, 3 <sup>rd</sup> Edition, Wiley & Sons (1995).
		Sigmund et al., "Effects of <i>Escherichia coli</i> Nus A Protein on Transcription Termination in Vitro Are Not Increased or Decreased by DNA Sequences Sufficient for Antitermination in Vivo," <i>Biochemistry</i> , 27(15):5628-5635 (1988).
		Simon et al., "Convenient Syntheses of Cytidine 5'-Triphosphate, Guanosine 5'-Triphosphate, and Uridine 5'-Triphosphate and Their use in the Preparation of UDP-gulucose, UDP-glucuronic Acid, and GCP-mannose," <i>J. Org. Chem.</i> 55(6):1834-1841 (1990).
		Sioud, "Ribozyme Modulation of Lipopolysaccharide-Induced Tumor Necrosis Factor- $\alpha$ Production by Peritoneal Cells <i>in vitro</i> and <i>in vivo</i> ," <i>Eur. J. Immunol.</i> , 26:1026-1031 (1996).
		Stull et al., "Antigene, Ribozyme, and Aptamer Nucleic Acids Drugs: Progress and Prospects," <i>Pharmaceutical Research</i> , 12:465-483 (1995).
		Symons, "Avocado sunblotch viroid: primary sequence and proposed secondary structure," <i>Nucleic Acids Research</i> , 9(23):6527-6537 (1981).
		Symons, "Small Catalytic RNAs," <i>Annu. Rev. Biochem.</i> , 61:641-671 (1992).
		Szybalski et al., "Universal Restriction Endonucleases: Designing Novel Cleavage Specificities by Combining Adaptor Oligodeoxynucleotide and Enzyme Moieties," <i>Gene</i> , 40:169-173 (1985).
		Taira et al., "Construction of a Novel Artificial-Ribozyme-Releasing Plasmid," <i>Protein Engineering</i> , 3(8):733-737 (1990).
		Taira et al., "Construction of a novel RNA-transcript-trimming plasmid which can be used both <i>in vitro</i> in place of run-off and (G)-free transcription and <i>in vivo</i> as multi-sequences transcription vectors," <i>Nucleic Acids Research</i> , 19(19):5125-5130 (1991).
		Tessier et al., "Ligation of Single-stranded oligodeoxyribonucleotides by T4 RNA Ligase," <i>Anal. Biochem.</i> , 158:171-178 (1986).
		Tomizawa et al., "Factor-Independent Termination of Transcription in a Stretch of Deoxyadenosine Residues in the Template DNA," <i>Cell</i> , 51:623-630 (1987).
		Turek et al., "RNA Pseudoknots that Inhibit Human Immunodeficiency Virus Type 1 Reverse Transcriptase," <i>PNAS</i> , 89:6988-6992 (1992).
M		Turek et al., "Systematic Evolution of ligands by exponential enrichment: RNA ligands to Bacteriophage T4 DNA Polymerase," <i>Science</i> , 249:505-510 (1990).

EXAMINER

Date Considered

7/26/04

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT	App. Docket No.: 220.00010150	Serial No.: 09/997,931
		Conf. No.: 5355
	Applicant(s): Eric T. Kool	
	Filing Date: 11/30/01	Group: 1635

M		Uhlen, "Magnetic separation of DNA," <i>Nature</i> , 340(6236):733-734 (Aug. 31, 1989).
		Uhlenbeck, "A small catalytic oligoribonucleotide," <i>Nature</i> , 328:596-600 (1987).
		Uhlmann et al., "Antisense oligonucleotides: a new therapeutic principle," <i>Chem. Rev.</i> , 90(4):543-584 (1990).
		Ulanovsky, "Curved DNA: Design, synthesis, and circularization," <i>PNAS USA</i> , 83:862-866 (1986).
		Vaishnav et al., "The Biochemistry of AIDS," <i>Ann. Rev. Biochem.</i> , 60:577-630 (1991).
		Walker et al., "Isothermal <i>in vitro</i> amplification of DNA by a restriction enzyme/DNA polymerase system," <i>PNAS USA</i> , 89:392-396 (1992).
		Wang et al., "Circular RNA Oligonucleotides. Synthesis, nucleic acid binding properties, and a comparison with circular DNAs," <i>Nucleic Acids Research</i> , 22(12):2326-2333 (1994).
		Watson, <i>Molecular Biology of the Gene</i> , W.A. Benjamin, Inc., 238-241 (1976).
M		Zhou DM, Schultz PG, "Development of synthetic viroids," ABSTR PAP - AM CHEM SOC 222: 194-BIOL Part 1 AUG 2001.

EXAMINER	Date Considered 7/26/04
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	